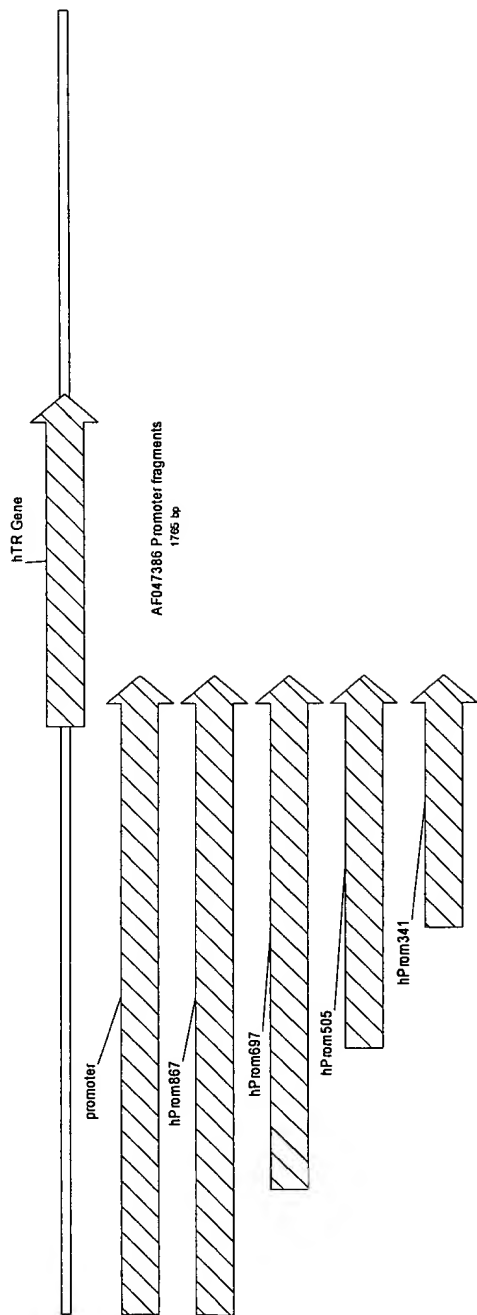




Diagram showing relationship between our genomic sequence and the promoter fragments.



Comparison of our genomic sequence, AF047386 (and our promoter fragments 867, 697 505, 341) with Geron Patent sequence I31750

AF047386	(1)	1	50
hProm867_Patent	(1)	AGCTACTCAGGAGGCTGAGACACGAGAA	TCGGCTTGAACCCGCGAGGCAGA
hProm697_Patent	(1)	AGCTACTCAGGAGGCTGAGACACGAGAA	TCGGCTTGAACCCGCGAGGCAGA
hProm505_Patent	(1)	-----	-----
hProm341_Patent	(1)	-----	-----
I31750_Patent	(1)	AGCTACTCAGGAGGCTGAGACACGAGAA	TCGGCTTGAACCCGCGAGGCAGA
Consensus	(1)	AGCTACTCAGGAGGCTGAGACACGAGAA	TCGGCTTGAACCCGCGAGGCAGA
AF047386	(51)	51	100
hProm867_Patent	(51)	GGTTGCAGTGCAGCCGAGATCAGCCCACTAGACTCCA	TCCAGGCTGGGCGA
hProm697_Patent	(51)	GGTTGCAGTGCAGCCGAGATCAGCCCACTAGACTCCA	TCCAGGCTGGGCGA
hProm505_Patent	(1)	-----	-----
hProm341_Patent	(1)	-----	-----
I31750_Patent	(50)	GGTTGCAGTGCAGCCGAGATCAGCCCACTAGACTCCA	TCCAGGCTGGGCGA
Consensus	(51)	GGTTGCAGTGCAGCCGAGATCAGCCCACTAGACTCCA	TCCAGGCTGGGCGA
AF047386	(101)	101	150
hProm867_Patent	(101)	AAGAGCMAGACTCCGGTCTCAAAAAAATAATCGTTACA	AAATTTATGGTGGG
hProm697_Patent	(1)	AAGAGCMAGACTCCGGTCTCAAAAAAATAATCGTTACA	AAATTTATGGTGGG
hProm505_Patent	(1)	-----	-----
hProm341_Patent	(1)	-----	-----
I31750_Patent	(100)	AAGAGCAAGACTCCGGTCTCAAAAAAATAATCGTTACA	AAATTTATGGTGGG
Consensus	(101)	AAGAGCAAGACTCCGGTCTCAAAAAAATAATCGTTACA	AAATTTATGGTGGG
AF047386	(151)	151	200
hProm867_Patent	(151)	TTACTCCCTCTTTTAACTCATTCAAGACACAGCACTACT	TTTAAAGCAAA
hProm697_Patent	(1)	TTACTCCCTCTTTTAACTCATTCAAGACACAGCACTACT	TTTAAAGCAAA
hProm505_Patent	(1)	-----	-----
hProm341_Patent	(1)	-----	-----
I31750_Patent	(150)	TTACTCCCTCTTTTAACTCATTCAAGACACAGCACTACT	TTTAAAGCAAA
Consensus	(151)	TTACTCCCTCTTTTAACTCATTCAAGACACAGCACTACT	TTTAAAGCAAA

AF047386	201		250
hProm867_Patent	(201)	GTCAATGATTGAAAAGCCCTTCTTCTTCCCTAATAAAGGGAGATTTCAGTCCCT	
hProm697_Patent	(201)	GTCAATGATTGAAAAGCCCTTCTTCTTCCCTAATAAAGGGAGATTTCAGTCCCT	
hProm505_Patent	(31)	GTCAATGATTGAAAAGCCCTTCTTCTTCCCTAATAAAGGGAGATTTCAGTCCCT	
hProm341_Patent	(1)	-----	
I31750_Patent	(1)	-----	
Consensus	(200)	GTCAATGATTGAAAAGCCCTTCTTCTTCCCTAATAAAGGGAGATTTCAGTCCCT	
	(201)	GTCAATGATTGAAAAGCCCTTCTTCTTCCCTAATAAAGGGAGATTTCAGTCCCT	
AF047386	251		300
hProm867_Patent	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	
hProm697_Patent	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	
hProm505_Patent	(81)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	
hProm341_Patent	(1)	-----	
I31750_Patent	(1)	-----	
Consensus	(250)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	
	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGTGATTAAAGCCATCCCTCTGCTCA	
AF047386	301		350
hProm867_Patent	(301)	AGGAGAAAGCTGGAGAAAGGCATTCTTAAAGGAAAAAGGGGCAAGGTTGGAAACT	
hProm697_Patent	(301)	AGGAGAAAGCTGGAGAAAGGCATTCTTAAAGGAAAAAGGGGCAAGGTTGGAAACT	
hProm505_Patent	(131)	AGGAGAAAGCTGGAGAAAGGCATTCTTAAAGGAAAAAGGGGCAAGGTTGGAAACT	
hProm341_Patent	(1)	-----	
I31750_Patent	(1)	-----	
Consensus	(300)	AGGAGAGCCTTGGAGAAAGGCATTCTTAAAGGAAGGAGGAGGTTAGGAAACT	
	(301)	AGGAGAAAGCTGGAGAAAGGCATTCTTAAAGGAAAAAGGGGCAAGGTTGGAAACT	
AF047386	351		400
hProm867_Patent	(351)	CGGACGGCATCCCACTGAGCCGAGACAAGATTCTTGCTGTAGTCAAGTGTGC	
hProm697_Patent	(351)	CGGACGGCATCCCACTGAGCCGAGACAAGATTCTTGCTGTAGTCAAGTGTGC	
hProm505_Patent	(181)	CGGACGGCATCCCACTGAGCCGAGACAAGATTCTTGCTGTAGTCAAGTGTGC	
hProm341_Patent	(1)	-----ACTGAGCCGAGACAAGATTCTTGCTGTAGTCAAGTGTGC	
I31750_Patent	(1)	-----	
Consensus	(350)	CGGACGGCATCCCACTGAGCCGAGACAAGATTCTTGCTGTAGTCAAGTGTGC	
	(351)	CGGACGGCATCCCACTGAGCCGAGACAAGATTCTTGCTGTAGTCAAGTGTGC	

AF047386	401	450
hProm867_Patent	(401)	CTGGGAATCTATTTCACAAAGTTCCTCTCCAAAAAATGTGATGATCAAAAAC
hProm697_Patent	(401)	CTGGGAATCTATTTCACAAAGTTCCTCCAAAAAATGTGATGATCAAAAAC
hProm505_Patent	(231)	CTGGGAATCTATTTCACAAAGTTCCTCCAAAAAATGTGATGATCAAAAAC
hProm341_Patent	(39)	CTGGGAATCTATTTCACAAAGTTCCTCCAAAAAATGTGATGATCAAAAAC
I31750_Patent	(1)	-----
Consensus	(400)	CTGGGAATCTATTTCACAAAGTTCCTCCAAAAAATGTGATGATCAAAAAC
	(401)	CTGGGAATCTATTTCACAAAGTTCCTCCAAAAAATGTGATGATCAAAAAC
AF047386	451	500
hProm867_Patent	(451)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAATTCCA
hProm697_Patent	(451)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAATTCCA
hProm505_Patent	(281)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAATTCCA
hProm341_Patent	(89)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAATTCCA
I31750_Patent	(1)	-----
Consensus	(450)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAATTCCA
	(451)	AGGAATTAGTGTCTGTGTCTTAGGGCCCTAAAAATCTTCCTGTGAATTCCA
AF047386	501	550
hProm867_Patent	(501)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA
hProm697_Patent	(501)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA
hProm505_Patent	(331)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA
hProm341_Patent	(139)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA
I31750_Patent	(1)	-----GTCTGGTCTGCAGAGGATAGAAAA
Consensus	(500)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA
	(501)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA
AF047386	551	600
hProm867_Patent	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAAGGTCGGAAG
hProm697_Patent	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAAGGTCGGAAG
hProm505_Patent	(381)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAAGGTCGGAAG
hProm341_Patent	(189)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAAGGTCGGAAG
I31750_Patent	(25)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAAGGTCGGAAG
Consensus	(550)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAAGGTCGGAAG
	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACCTTTAAAGAAGGTCGGAAG

AF047386	601	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	650
hProm867_Patent	(601)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
hProm697_Patent	(431)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
hProm505_Patent	(239)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
hProm341_Patent	(75)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
I31750_Patent	(600)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
Consensus	(601)	TAAAGACGCAAAGCCTTCCCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
AF047386	651	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	700
hProm867_Patent	(651)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
hProm697_Patent	(481)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
hProm505_Patent	(289)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
hProm341_Patent	(125)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
I31750_Patent	(650)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
Consensus	(651)	ATGGCCGGAAATGGAACCTTAAATTTCCCGTTCCCCCACAACGACCCGCCC	
AF047386	701	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	750
hProm867_Patent	(701)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
hProm697_Patent	(531)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
hProm505_Patent	(339)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
hProm341_Patent	(175)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
I31750_Patent	(700)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
Consensus	(701)	GAGAGAGTGACTCTCACGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
AF047386	751	CGGTCCGGCGCGCTCCCTTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	800
hProm867_Patent	(751)	CGGTCCGGCGCGCTCCCTTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
hProm697_Patent	(581)	CGGTCCGGCGCGCTCCCTTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
hProm505_Patent	(389)	CGGTCCGGCGCGCTCCCTTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
hProm341_Patent	(225)	CGGTCCGGCGCGCTCCCTTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
I31750_Patent	(750)	CGGTCCGGCGCGCTCCCTTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	
Consensus	(751)	CGGTCCGGCGCGCTCCCTTTTATAAGCCGACTCGCCCGGAGCGCACCCGG	

AF047386	801	850
hProm867_Patent	(801)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTGTCTAAACCC
hProm697_Patent	(801)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTGTCTAAACCC
hProm505_Patent	(631)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTGTCTAAACCC
hProm341_Patent	(439)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTGTCTAAACCC
I31750_Patent	(275)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTGTCTAAACCC
Consensus	(800)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTGTCTAAACCC
	(801)	GTTGCGGAGGGTGGGCCTGGGAGGGGTGGTGGCCATTTTGTCTAAACCC
AF047386	851	900
hProm867_Patent	(851)	TAACTGAGAAGGGCGTA <b>AGGCGCGTGCCTTTTGTCTCCCGCGCGCTGTTTT</b>
hProm697_Patent	(851)	TAACTGAGAAGGGCGTA-----
hProm505_Patent	(681)	TAACTGAGAAGGGCGTA-----
hProm341_Patent	(489)	TAACTGAGAAGGGCGTA-----
I31750_Patent	(325)	TAACTGAGAAGGGCGTA-----
Consensus	(850)	TAACTGAGAAGGGCGTA <b>AGGCGCGTGCCTTTTGTCTCCCGCGCGCTGTTTT</b>
	(851)	TAACTGAGAAGGGCGTAGGCGCGTGTCTTTTGTCTCCCGCGCGCTGTTTT
AF047386	901	950
hProm867_Patent	(901)	<b>TCTCGCTGACTTTTCAGCGGGCGGAAAGGCTCGGGCTGCGCGCTTCCAGC</b>
hProm697_Patent	(868)	-----
hProm505_Patent	(698)	-----
hProm341_Patent	(506)	-----
I31750_Patent	(342)	-----
Consensus	(900)	<b>TCTCGCTGACTTTTCAGCGGGCGGAAAGGCTCGGGCTGCGCGCTTCCAGC</b>
	(901)	TCTCGCTGACTTTTCAGCGGGCGGAAAGGCTCGGGCTGCGCGCTTCCAGC
AF047386	951	1000
hProm867_Patent	(951)	<b>GTTCAATCTAGAGCAAAACAATAAATGTTCAGCTGCTGGCCCGTTGCGCCCT</b>
hProm697_Patent	(868)	-----
hProm505_Patent	(698)	-----
hProm341_Patent	(506)	-----
I31750_Patent	(342)	-----
Consensus	(950)	<b>GTTCAATCTAGAGCAAAACAATAAATGTTCAGCTGCTGGCCCGTTGCGC</b> ---CT
	(951)	GTTCAATCTAGAGCAAAACAATAAATGTTCAGCTGCTGGCCCGTTGCGCCCT

AF047386	(1001)	1001	1050
hProm867_Patent	(868)	CCCCGGGACCTGCGCGCGGGTCCGCTGCCCTGCCACGCCGCCCGAA	CCCCCGCCCTGGA
hProm697_Patent	(698)	-----	-----
hProm505_Patent	(506)	-----	-----
hProm341_Patent	(342)	-----	-----
I31750_Patent	(998)	CCCCGGGACCTGCGCGCGGGTCCGCTGCCCTGCCACGCCGCCCGAA	CCCCCGCCCTGGA
Consensus	(1001)	CCCCGGGACCTGCGCGCGGGTCCGCTGCCCTGCCACGCCGCCCGAA	CCCCCGCCCTGGA
AF047386	(1051)	1051	1100
hProm867_Patent	(868)	GGCCCGGGTCGGCCCCGGGGCTTCTCCGGAGGCACTACTGCCACCCGCGAA	-----
hProm697_Patent	(698)	-----	-----
hProm505_Patent	(506)	-----	-----
hProm341_Patent	(342)	-----	-----
I31750_Patent	(1048)	G-CCGCGGGTCGGCCCCGGGGCTTCTCCGGAGGCACTACTGCCACCCGCGAA	-----
Consensus	(1051)	GGCCCGGGTCGGCCCCGGGGCTTCTCCGGAGGCACTACTGCCACCCGCGAA	-----
AF047386	(1101)	1101	1150
hProm867_Patent	(868)	GAGTTGG-CTCTGTACGCCCGGGTCTCTCGGGGCGAGGGCGAGGTTCA	-----
hProm697_Patent	(698)	-----	-----
hProm505_Patent	(506)	-----	-----
hProm341_Patent	(342)	-----	-----
I31750_Patent	(1097)	GAGTTGGCTCTGTACGCCCGGGTCTCTCGGGGCGAGGGCGAGGTTCA	-----
Consensus	(1101)	GAGTTGGCTCTGTACGCCCGGGTCTCTCGGGGCGAGGGCGAGGTTCA	-----
AF047386	(1150)	1151	1200
hProm867_Patent	(868)	GGCCCTTTCAGGCGCGAGGAAAGAGGAACGGAGCGAGTCCCGCGCGCGCGCG	-----
hProm697_Patent	(698)	-----	-----
hProm505_Patent	(506)	-----	-----
hProm341_Patent	(342)	-----	-----
I31750_Patent	(1147)	C-CCGTTTCAGGCGCGAGGAAAGAGGAACGGAGCGAGTCCCGCGCGCGCG	-----GCG
Consensus	(1151)	GGCCCTTTCAGGCGCGAGGAAAGAGGAACGGAGCGAGTCCCGCGCGCGCG	-----GCG

AF047386	1201	1250
hProm867_Patent	(1200)	<b>CGATTCCCTGAGGCTGTGGGACGTGCACCCAGGACTCGGGCTCACACATGCA</b>
hProm697_Patent	(868)	-----
hProm505_Patent	(698)	-----
hProm341_Patent	(506)	-----
I31750_Patent	(342)	-----
Consensus	(1194)	<b>CGATTCCCTGAGGCTGTGTGGGACGTGCACCCAGGACTCGGGCTCACACATGCA</b>
	(1201)	CGATTCCCTGAGGCTGTGTGGGACGTGCACCCAGGACTCGGGCTCACACATGCA
AF047386	1251	1300
hProm867_Patent	(1250)	<b>GTTCGGCTTCCTGTGGTGGGGGGAACGGCCGATCGTGGGCA TCGGTCAAG</b>
hProm697_Patent	(868)	-----
hProm505_Patent	(698)	-----
hProm341_Patent	(506)	-----
I31750_Patent	(342)	-----
Consensus	(1244)	<b>GTTCGGCTTCCTGTGGTGGGGGGAACGGCCGATCGTGGGCA TCGGTCAAG</b>
	(1251)	GTTCGGCTTCCTGTGGTGGGGGGAACGGCCGATCGTGGGCA TCGGTCAAG
AF047386	1301	1350
hProm867_Patent	(1300)	<b>CCTCGCCGGGCA GTGGGGGCTTGTGAA CCCCCCAA CCTGACTGACTGGGGCC</b>
hProm697_Patent	(868)	-----
hProm505_Patent	(698)	-----
hProm341_Patent	(506)	-----
I31750_Patent	(342)	-----
Consensus	(1294)	<b>CCTCGCCGGGCA GTGGGGGCTTGTGAA CCCCCCAA CCTGACTGACTGGGGCC</b>
	(1301)	CCTCGCCGGGCA GTGGGGGCTTGTGAA CCCCCCAA CCTGACTGACTGGGGCC
AF047386	1351	1400
hProm867_Patent	(1350)	<b>AGTGTGCTGCAAAATTGGCAGGAGACGTGAAAGGCACTCCAAAGTTCGGGCCA</b>
hProm697_Patent	(868)	-----
hProm505_Patent	(698)	-----
hProm341_Patent	(506)	-----
I31750_Patent	(342)	-----
Consensus	(1344)	<b>AGTGTGCTGCAAAATTGGCAGGAGACGTGAAAGGCACTCCAAAGTTCGGGCCA</b>
	(1351)	AGTGTGCTGCAAAATTGGCAGGAGACGTGAAAGGCACTCCAAAGTTCGGGCCA



AF047386	(1400)	1401	1450
hProm867_Patent	(868)	AAATGAATGEGGCAGTGAGCCCGGGGTTCCTGGAGCCCGTTCCTGGGTGGGT	
hProm697_Patent	(698)	-----	
hProm505_Patent	(506)	-----	
hProm341_Patent	(342)	-----	
I31750_Patent	(1394)	AAATGAATGEGGCAGTGAGCCCGGGGTTCCTGGAGCCCGTTCCTGGGTGGGT	
Consensus	(1401)	AAATGAATGGGCAGTGAGCCGGGGTTCCTGGAGCCCGTTCCTGGGTGGGT	
AF047386	(1450)	1451	1500
hProm867_Patent	(868)	TTCTCCCGTCTTCCGCTTTTGTGGCTTTTATGGTTGTATTACAACCTTAG	
hProm697_Patent	(698)	-----	
hProm505_Patent	(506)	-----	
hProm341_Patent	(342)	-----	
I31750_Patent	(1444)	TTCTCCCGTCTTCCGCTTTTGTGGCTTTTATGGTTGTATTACAACCTTAG	
Consensus	(1451)	TCTCCCGTCTTCCGCTTTTGTGGCTTTTATGGTTGTATTACAACCTTAG	
AF047386	(1500)	1501	1550
hProm867_Patent	(868)	TTCTGTGCTCTGCAGATTTTGTGAGGTTTTCCTTCTCCCAAGGTAGATC	
hProm697_Patent	(698)	-----	
hProm505_Patent	(506)	-----	
hProm341_Patent	(342)	-----	
I31750_Patent	(1494)	TTCTGTGCTCTGCAGATTTTGTGAGGTTTTCCTTCTCCCAAGGTAGATC	
Consensus	(1501)	TTCTGTGCTCTGCAGATTTTGTGAGGTTTTCCTTCTCCCAAGGTAGATC	
AF047386	(1550)	1551	1600
hProm867_Patent	(868)	TCGACCAAGTCCCTCAACGGGGGTGTGGGAGAACAGTCAATTTTTCGAG	
hProm697_Patent	(698)	-----	
hProm505_Patent	(506)	-----	
hProm341_Patent	(342)	-----	
I31750_Patent	(1544)	TCGACCAAGTCCCTCAACGGGGGTGTGGGAGAACAGTCAATTTTTCGAG	
Consensus	(1551)	TCGACCAAGTCCCTCAACGGGGGTGTGGGAGAACAGTCAATTTTTCGAG	

AF047386 hProm867_Patent hProm697_Patent hProm505_Patent hProm341_Patent I31750_Patent Consensus	(1600)	1601	AGATCATTTAAACATTTAAATGAATATTTAAATTAGAAAGATCTAAATGAACAT	1650
	(868)		-----	
	(698)		-----	
	(506)		-----	
	(342)		-----	
	(1594)		AGATCATTTAAACATTTAAATGAATATTTAAATTAGAAAGATCTAAATGAACAT	
	(1601)		AGATCATTTAAACATTTAAATGAATATTTAAATTAGAAAGATCTAAATGAACAT	
AF047386 hProm867_Patent hProm697_Patent hProm505_Patent hProm341_Patent I31750_Patent Consensus	(1650)	1651	TTGAAATTTGTGTTCCCTTTAAATGGTCAATCGGTTTATGCCAGAGGTTAGAAG	1700
	(868)		-----	
	(698)		-----	
	(506)		-----	
	(342)		-----	
	(1644)		TTGAAATTTGTGTTCCCTTTAAATGGTCAATCGGTTTATGCCAGAGGTTAGAAG	
	(1651)		TGGAAATTTGTGTTCCCTTTAAATGGTCAATCGGTTTATGCCAGAGGTTAGAAG	
AF047386 hProm867_Patent hProm697_Patent hProm505_Patent hProm341_Patent I31750_Patent Consensus	(1700)	1701	TTTCTTTTTTGAAAAAATTAGACCTTTGGCCGATGACCTTGAGCGAGTAGGATA	1750
	(868)		-----	
	(698)		-----	
	(506)		-----	
	(342)		-----	
	(1694)		TTTCTTTTTTGAAAAAATTAGACCTTTGGCCGATGACCTTGAGCGAGTAGGATA	
	(1701)		TTTCTTTTTTGAAAAAATTAGACCTTTGGCCGATGACCTTGAGCGAGTAGGATA	
AF047386 hProm867_Patent hProm697_Patent hProm505_Patent hProm341_Patent I31750_Patent Consensus	(1750)	1751	TTAACCCCCACAAAGCTT	1766
	(868)		-----	
	(698)		-----	
	(506)		-----	
	(342)		-----	
	(1744)		TTAACCCCCACAAAGCTT	
	(1751)		TAAACCCCCACAAAGCTT	

Comparison of our genomic sequence, AF047386 with Geron Patent sequence I31750

AF047386	1	50
I31750_Patent	(1)	AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAGGCAGA
Consensus	(1)	AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAG-CAGA
	(1)	AGCTACTCAGGAGGCTGAGACACGAGAATCGCTTGAACCCGGGAG CAGA
	51	100
AF047386	(51)	GGTTGCAGTGAGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGA
I31750_Patent	(50)	GGTTGCAGTGAGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGA
Consensus	(51)	GGTTGCAGTGAGCCGAGATCACGCCACTAGACTCCATCCAGCCTGGGCGA
	101	150
AF047386	(101)	AAGAGCAAGACTCCGTCTCAAAAAAATCGTTACAAATTTATGGTGA
I31750_Patent	(100)	AAGAGCAAGACTCCGTCTCAAAAAAATCGTTACAAATTTATGGTGA
Consensus	(101)	AAGAGCAAGACTCCGTCTCAAAAAAATCGTTACAAATTTATGGTGA
	151	200
AF047386	(151)	TTACTCCCTCTTTTACCTCATCAAGACACAGCACTACTTTAAAGCAAA
I31750_Patent	(150)	TTACTCCCTCTTTTACCTCATCAAGACACAGCACTACTTTAAAGCAAA
Consensus	(151)	TTACTCCCTCTTTTACCTCATCAAGACACAGCACTACTTTAAAGCAAA
	201	250
AF047386	(201)	GTCAAATGATTGAACGCCCTTCTTTCCCTAATAAAGGGAGATTTCAGTCCT
I31750_Patent	(200)	GTCAAATGATTGAACGCCCTTCTTTCCCTAATAAAGGGAGATTTCAGTCCT
Consensus	(201)	GTCAAATGATTGAACGCCCTTCTTTCCCTAATAAAGGGAGATTTCAGTCCT
	251	300
AF047386	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA
I31750_Patent	(250)	TAAAGATTAAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA
Consensus	(251)	TAAAGATTAAATAATGTAGTAGTTACACTTGATTAAAGCCATCCTCTGCTCA
	301	350
AF047386	(301)	AGGAGAAAGCTGGAGAAGGCATTCTAAGGAAAAAGGGGCAGGGTTGGAAC
I31750_Patent	(300)	AGGAGAGGCTGGAGAAGGCATTCTAAGGAGAAGGGGGCAGGGTAGGAACT
Consensus	(301)	AGGAGA GCTGGAGAAGGCATTCTAAGGA AA GGGGCAGGGT GGAAC
	351	400
AF047386	(351)	CGGACGCATCCCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTCTGC
I31750_Patent	(350)	CGGACGCATCCCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTCTGC
Consensus	(351)	CGGACGCATCCCACTGAGCCGAGACAAGATTCTGCTGTAGTCAGTCTGC
	401	450
AF047386	(401)	CTGGGAATCTATTTTACAAAAAGTTCTCCAAAAAATGTGATGATCAAAAAC
I31750_Patent	(400)	CTGGGAATCTATTTTACAAAAAGTTCTCCAAAAAATGTGATGATCAAAAAC
Consensus	(401)	CTGGGAATCTATTTTACAAAAAGTTCTCCAAAAAATGTGATGATCAAAAAC

AF047386	451	AGGAATTAGTGTCTGTGTCTTAGGCCCTAAAAATCTTCCTGTGAATTCCA	500
I31750_Patent	(451)	AGGAATTAGTGTCTGTGTCTTAGGCCCTAAAAATCTTCCTGTGAATTCCA	
Consensus	(451)	AGGAATTAGTGTCTGTGTCTTAGGCCCTAAAAATCTTCCTGTGAATTCCA	
AF047386	501	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA	550
I31750_Patent	(501)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA	
Consensus	(501)	TTTTTAAGGTAGTCGAGGTGAACCGCGTCTGGTCTGCAGAGGATAGAAAA	
AF047386	551	AAGGCCCTCTGATACCTCAAGTTAGTTTACACCTTTAAAGAAGGTCGGAAG	600
I31750_Patent	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACACCTTTAAAGAAGGTCGGAAG	
Consensus	(551)	AAGGCCCTCTGATACCTCAAGTTAGTTTACACCTTTAAAGAAGGTCGGAAG	
AF047386	601	TAAAGACGCAAAAGCCTTTCGCGGACGTGCGGAAGGGCAACGTCCTTCCTC	650
I31750_Patent	(601)	TAAAGACGCAAAAGCCTTTCGCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
Consensus	(601)	TAAAGACGCAAAAGCCTTTCGCGGACGTGCGGAAGGGCAACGTCCTTCCTC	
AF047386	651	ATGGCCGGGAAATGGAACCTTTAAATTTCCCGTTTCCCCCACCAGCCCGCCC	700
I31750_Patent	(651)	ATGGCCGGGAAATGGAACCTTTAAATTTCCCGTTTCCCCCACCAGCCCGCCC	
Consensus	(651)	ATGGCCGGGAAATGGAACCTTTAAATTTCCCGTTTCCCCCACCAGCCCGCCC	
AF047386	701	GAGAGAGTGACTCTCAGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	750
I31750_Patent	(701)	GAGAGAGTGACTCTCAGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
Consensus	(701)	GAGAGAGTGACTCTCAGAGAGCCGCGAGAGTCAGCTTGGCCAATCCGTG	
AF047386	751	CGGTGCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGCGAGCGCACCCGG	800
I31750_Patent	(751)	CGGTGCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGCGAGCGCACCCGG	
Consensus	(751)	CGGTGCGGCGCGCTCCCTTTATAAGCCGACTCGCCCGGCGAGCGCACCCGG	
AF047386	801	GTTGCGGAGGGTGGGCCCTGGGAGGGGTGGTGGCCATTTTTGTCTAACCC	850
I31750_Patent	(801)	GTTGCGGAGGGTGGGCCCTGGGAGGGGTGGTGGCCATTTTTGTCTAACCC	
Consensus	(801)	GTTGCGGAGGGTGGGCCCTGGGAGGGGTGGTGGCCATTTTTGTCTAACCC	
AF047386	851	TAACTGAGAAAGGCGTAGGCGCCGTGCTTTTGCTCCCCGCGCGCTGTTTT	900
I31750_Patent	(851)	TAACTGAGAAAGGCGTAGGCGCCGTGCTTTTGCTCCCCGCGCGCTGTTTT	
Consensus	(851)	TAACTGAGAAAGGCGTAGGCGCCGTGCTTTTGCTCCCCGCGCGCTGTTTT	
AF047386	901	TCTCGCTGACTTTCAGCGGGCGGAAAAAGCCCTCGGCCTGCGGCCTTCCACC	950

I31750_Patent	(900)	TCTCGCTGACTTTT	951	TCTCGCTGACTTTT	1000
Consensus	(901)	TCTCGCTGACTTTT		TCTCGCTGACTTTT	
AF047386	(951)	GTTTCATTCTAGAG		GTTTCATTCTAGAG	
I31750_Patent	(950)	GTTTCATTCTAGAG		GTTTCATTCTAGAG	
Consensus	(951)	GTTTCATTCTAGAG		GTTTCATTCTAGAG	
AF047386	(1001)	CCCGGGGACCTGCG		CCCGGGGACCTGCG	
I31750_Patent	(998)	CCCGGGGACCTGCG		CCCGGGGACCTGCG	
Consensus	(1001)	CCCGGGGACCTGCG		CCCGGGGACCTGCG	
AF047386	(1051)	GGCCGGGTCGGCC		GGCCGGGTCGGCC	
I31750_Patent	(1048)	G-CCGCGGTCGGCC		G-CCGCGGTCGGCC	
Consensus	(1051)	G CCGCGGTCGGCC		G CCGCGGTCGGCC	
AF047386	(1101)	GAGTTGG-CTCTGT		GAGTTGG-CTCTGT	
I31750_Patent	(1097)	GAGTTGGCTCTGT		GAGTTGGCTCTGT	
Consensus	(1101)	GAGTTGG CTCTGT		GAGTTGG CTCTGT	
AF047386	(1150)	GGCCTTTTCAGGCC		GGCCTTTTCAGGCC	
I31750_Patent	(1147)	C-CGTTTCAGGCC		C-CGTTTCAGGCC	
Consensus	(1151)	C TTTTCAGGCC		C TTTTCAGGCC	
AF047386	(1200)	CGATTCCCTGAGCT		CGATTCCCTGAGCT	
I31750_Patent	(1194)	CGATTCCCTGAGCT		CGATTCCCTGAGCT	
Consensus	(1201)	CGATTCCCTGAGCT		CGATTCCCTGAGCT	
AF047386	(1250)	GTTTCGCTTTCCCT		GTTTCGCTTTCCCT	
I31750_Patent	(1244)	GTTTCGCTTTCCCT		GTTTCGCTTTCCCT	
Consensus	(1251)	GTTTCGCTTTCCCT		GTTTCGCTTTCCCT	
AF047386	(1300)	CCTCGCCGGCAGT		CCTCGCCGGCAGT	
I31750_Patent	(1294)	CCTCGCCGGCAGT		CCTCGCCGGCAGT	
Consensus	(1301)	CCTCGCCGGCAGT		CCTCGCCGGCAGT	
AF047386	(1350)	AGTGTGCTGCAAA		AGTGTGCTGCAAA	
I31750_Patent	(1344)	AGTGTGCTGCAAA		AGTGTGCTGCAAA	
Consensus	(1351)	AGTGTGCTGCAAA		AGTGTGCTGCAAA	

AF047386	(1400)	1401	1450
I31750_Patent	(1394)	AAATGAATGGGCAGTGAGCCGGGGTGCCTGGAGCCGTTCC	TGCGTGGGT
Consensus	(1401)	AAATGAATGGGCAGTGAGCCGGGGTGCCTGGAGCCGTTCC	TGCGTGGGT
AF047386	(1450)	1451	1500
I31750_Patent	(1444)	TCTCCCGTCTTCCGCTTTTGTGCTTTTATGGTTGTATTACAACTTAG	
Consensus	(1451)	TCTCCCGTCTTCCGCTTTTGTGCTTTTATGGTTGTATTACAACTTAG	
AF047386	(1500)	1501	1550
I31750_Patent	(1494)	TTCTGTCTCTGCAGATTTTGTGAGGTTTTTGTCTCTCCCAAGGTAGATC	
Consensus	(1501)	TTCTGTCTCTGCAGATTTTGTGAGGTTTTTGTCTCTCCCAAGGTAGATC	
AF047386	(1550)	1551	1600
I31750_Patent	(1544)	TCGACCAGTCCC-TCAACGGGGTGTGGGAGAACAGTCATTTTTTTTGA	
Consensus	(1551)	TCGACCAGTCCC TCAACGGGGTGTGGG AGAACAGTCATTTTTTTTGA	
AF047386	(1599)	1601	1650
I31750_Patent	(1593)	GAGATCATTTAACATTTAATGAATATTTAATTAGAAGATCTAAATGAACA	
Consensus	(1601)	GAGATCATTTAACATTTAATGAATATTTAATTAGAAGATCTAAATGAACA	
AF047386	(1649)	1651	1700
I31750_Patent	(1643)	TTGGAAATGTGTTCCTTTAATGGTCATCGGTTTATGCCAGAGGTTAGAA	
Consensus	(1651)	TTGGAAATGTGTTCCTTTAATGGTCATCGGTTTATGCCAGAGGTTAGAA	
AF047386	(1699)	1701	1750
I31750_Patent	(1693)	GTTTCTTTTGTGAAAAATTAGACCTTGGCGATGACCTTGAGCAGTAGGAT	
Consensus	(1701)	GTTTCTTTTGTGAAAAATTAGACCTTGGCGATGACCTTGAGCAGTAGGAT	
AF047386	(1749)	1751	1767
I31750_Patent	(1743)	ATAACCCCCACAAAGCTT	
Consensus	(1751)	ATAACCCCCACAAAGCTT	